

REMARKS

This Amendment is submitted in response to the final Office Action mailed on July 18, 2011. No fee is due in connection with this Amendment. The Director is authorized to charge any fees that may be required, or to credit any overpayment to Deposit Account No. 02-1818. If such a withdrawal is made, please indicate the Attorney Docket No. 3712036-00735 on the account statement.

Claims 14-15 and 19 are rejected in this application. Claim 3 was previously canceled without disclaimer. Claims 1-2, 4-13 and 16-18 were previously withdrawn from consideration. In the Office Action, Claims 14-15 and 19 are further rejected under 35 U.S.C. §102. In response, Claims 14-15 and 19 have been amended. The amendments do not add new matter. In view of the amendments and/or for at least the reasons set forth below, Applicants respectfully submit that the rejections should be withdrawn.

In the Office Action, Claims 14-15 and 19 are rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,938,974 to Bischel et al. ("*Bischel*") with evidence provided by the printed publication to Wikipedia ("*Wikipedia*"). Applicants respectfully traverse the rejection for at least the reasons set forth below.

Independent Claim 14 has been amended to recite, in part, an orally ingestible composition comprising a fat source and at least one raw plant material selected from the group consisting of *Daucus*, *Helianthus* and combinations thereof, the plant material being processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter. Independent Claim 15 has been amended to recite, in part, a skin or hair care product comprising a fat source and at least one raw plant material selected from the group consisting of *Daucus*, *Helianthus* and combinations thereof that is processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter. Independent Claim 19 has been amended to recite, in part, an orally ingestible composition comprising a source of protein and at least one raw plant material selected from the group consisting of *Daucus*, *Helianthus* and combinations thereof, the plant material being processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter.

In fresh plant materials, free glucosamine has not been observed or has been observed only at levels less than 1 mg per kg dry matter. See, Specification, page 2, paragraphs 25-30. However, it has been surprisingly discovered that high amounts of glucosamine can be formed

during a controlled drying process of certain raw plant materials. See, Specification, page 3, paragraphs 37-41. Therefore, by drying the claimed plant materials at a temperature between 80° C and 105° C, a product containing greater than 150 mg/kg dry matter of glucosamine can be obtained. See, Specification, page 3, paragraphs 37-40 and 47. It is likely that during the drying process, the glucosamine comes not from the direct degradation of macromolecules, but rather from the release of free fructose and amino acids, followed by Heyns/Amadori reactions. See, Specification, page 4, paragraphs 56-61.

In contrast, *Bischel* and *Wikipedia* alone or in combination fail to disclose or suggest each and every element of independent Claims 14-15 and 19. *Bischel* and *Wikipedia* alone or in combination fail to disclose or suggest a raw plant material selected from the group consisting of *Daucus*, *Helianthus* and combinations thereof that is processed by a drying process at a temperature between 80° C and 105° C to obtain glucosamine in an amount greater than 150 mg/kg dry matter as required by independent Claims 14-15 and 19.

Bischel discloses a process for producing a milled mineral-enriched sugar beet composition as a nutritional source of dietary fiber. The process involves contacting sugar beets with an assimilable source of the mineral at a temperature below about 50° C. Nevertheless, *Bischel* along with *Wikipedia* fail to disclose a raw plant material selected from *Daucus* or *Helianthus* anywhere in their disclosures.

For at least the reasons discussed above, the cited references fail to disclose or suggest each and every element of independent Claims 14-15 and 19. As a result, Applicants respectfully submit that independent Claims 14-15 and 19, along with any of the claims that depend from Claims 14-15 and 19, are novel, nonobvious and distinguishable from the cited references.

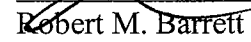
Accordingly, Applicants respectfully request that the rejection of Claims 14-15 and 19 under 35 U.S.C. §102(b) be withdrawn.

For the foregoing reasons, Applicants respectfully request reconsideration of the above-identified patent application and earnestly request an early allowance of the same. In the event there remains any impediment to allowance of the claims that could be clarified in a telephonic interview, the Examiner is respectfully requested to initiate such an interview with the undersigned.

Respectfully submitted,

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